Index of Authors

Adams, M.R. *see* Brewer, R.
Agarwal, I. *see* Agarwal, N.
Agarwal, N., Kamra, D.N., Chaudhary, L.C., Agarwal, I., Sahoo, A. & Pathak, N.N. Microbial status and rumen enzyme profile of crossbred calves fed on different microbial feed additives, 329
Ahmad, R. & Magan, N. Microfloral contamination and hydrolytic enzyme differences between monsooned and non-monsooned coffees, 279
Allan, E.J. *see* Walker, R.
Allpress, J.D., Mountain, G. & Gowland, P.C. Production, purification and characterization of an extracellular keratinase from *Lysobacter* NCIMB 9497, 337
Alonso-Calleja, C., Carballo, J., Capita, R., Bernardo, A. & García-Lopez, M.L. Comparison of the acidifying activity of *Lactococcus lactis* subsp. *lactis* strains isolated from goat's milk and Valdeteja cheese, 134
Amudha, R. *see* Ghosh, M.K.
Andersen, G.L. *see* Radosevich, J.L.
Aquino, M.H.C., Filgueiras, A.L.L., Ferreira, M.C.S., Oliveira, S.S., Bastos, M.C. & Tibana, A. Antimicrobial resistance and plasmid profiles of *Campylobacter jejuni* and *Campylobacter coli* from human and animal sources, 149
Azevedo, M.O. *see* De Faria, F.P.
Azevedo, Z., Couto, J.A. & Hogg, T. Antimicrobial effect of essential oils on the seafood spoilage micro-organism *Photobacterium phosphoreum* in liquid media and fish products, 32

Bagramyan, K.A. *see* Markarian, S.A.
Baker, J.R. *see* Hamouda, T.
Barer, M.R. *see* Bythell, J.C.
Barroso, J. *see* Santos, A.
Baspinar, E. *see* Dogan, H.B.
Bastos, M.C. *see* Aquino, M.H.C.
Bednarz, G. *see* Swiecicka, I.
Bej, A.K. *see* Kaufman, G.E.
Bergquist, P.L. *see* De Faria, F.P.
Bernardo, A. *see* Alonso-Calleja, C.
Besra, G.S. *see* Kremer, L.
Bhosale, P. & Gadre, R.V. Manipulation of temperature and illumination conditions for enhanced β-carotene production by mutant 32 of *Rhodotorula glutinis*, 349
Blair, I.S. *see* Bolton, D.J.
Board, R. *see* Sagoo, S.K.
Bokken, G.C.A.M. *see* De Waard, R.
Bolton, D.J., Catarame, T., Byrne, C., Sheridan, J.J., Mcdowell, D.A. & Blair, I.S. The ineffectiveness of organic acids, freezing and pulsed electric fields to control *Escherichia coli* O157:H7 in beef burgers, 139
Booth, N.A. *see* Walker, R.
Brewer, R., Adams, M.R. & Park, S.F. Exposure to non-acid fresh meat docontamination washing fluids sensitizes *Escherichia coli* O157:H7 to organic acids, 18
Broadbent, J.R. *see* Oberg, C.J.
Bronshteyn, M. & Steinberg, D. Immobilization of fructosyltransferase from *Streptococcus mutans* on hydroxyapatite surfaces induces the formation of multimeric complexes, 205
Brouwer, A. *see* Schets, F.M.
Bunn, J.E.G., Mackay, W.G., Thomas, J.E., Reid, D.C. & Weaver, L.T. Detection of *Helicobacter pylori* DNA in drinking water biofilms: implications for transmission in early life, 450
Byrne, C. *see* Bolton, D.J.
Bythell, J.C., Barer, M.R., Cooney, R.P., Guest, J.R., O'Donnell, A.G., Pantos, O. & Le Tissier, M.D.A. Histopathological methods for the investigation of microbial communities associated with disease lesions in reef corals, 359

Cakir, I. *see* Dogan, H.B.
Cantiani, L. *see* Carducci, A.
Capece, A. *see* Caruso, M.
Capita, R. *see* Alonso-Calleja, C.
Carballo, J. *see* Alonso-Calleja, C.
Cardell, E. *see* Pérez, G.
Carducci, A., Cantiani, L., Moscatelli, R., Casini, B., Rovini, E., Mazzoni, F., Giuntini, A. & Verani, M. Interference between enterovirus and reovirus as a limiting factor in environmental virus detection, 110
Carducci, A., Verani, M., Casini, B., Giuntini, A., Mazzoni, F., Rovini, E., Passaglia, A., Giusti, L., Valenza, A. & Lombardi, R. Detection and potential indicators of the presence of hepatitis C virus on surfaces in hospital settings, 189
Carli, K.T. *see* Eyigor, A.
Carrillo, L. *see* Scaroni, E.
Caruso, M., Capece, A., Salzano, G. & Romano, P. Typing of *Saccharomyces cerevisiae* and *Kloeckera apiculata* from Aglianico wine, 323
Carvalho, A.S. *see* Silva, J.
Casini, B. *see* Carducci, A.
Catarame, T. *see* Bolton, D.J.
Ceskova, J. *see* Steinhauserova, I.
Chart, H. *see* Lawson, A.J.
Chaudhary, L.C. *see* Agarwal, N.
Cho, Y.J. *see* Kim, S.W.
Cho, Y.J. *see* Park, J.P.

Collier, T. *see* Daly, P.
Cooney, R.P. *see* Bythell, J.C.
Couto, J.A. *see* Azevedo, Z.
Crognale, S. *see* Selbmann, L.
Cuevas, C. *see* Elinbaum, S.
Cuevas, C. *see* Scaroni, E.

D'Haene, K. *see* Huys, G.
Dalgaard, P. *see* Mejlholm, O.
Daly, P., Collier, T. & Doyle, S. PCR-ELISA detection of *Escherichia coli* in milk, 222
Dassama, M.U. *see* Lawson, A.J.
De Castro, H.F. *see* Dias, M.A.
De Faria, F.P, Te'o, V.S.J., Bergquist, P.L., Azevedo, M.O. & Nevalainen, K.M.H. Expression and processing of a major xylanase (XYN2) from the thermophilic fungus *Humicola grisea* var. *thermoidea* in *Trichoderma reesei*, 119
De Waard, R., Snel, J., Bokken, G.C.A.M., Tan, P.S.T., Schut, F., Huis In't, J.H.J. & Veld, J.H.J. Comparison of faecal *Lactobacillus* populations in experimental animals from different breeding facilities and possible consequences for probiotic studies, 105
Demain, A.L. *see* Gao, Q.
Desantis, T.Z. *see* Radosevich, J.L.
Dias, M.A., Lacerda, I.C.A., Pimentel, P.F., De Castro, H.F. & Rosa, C.A. The symbiosis of *Bacillus subtilis* L-forms with Chinese cabbage *seedlings inhibits conidial germination of Botrytis cinerea*, 46
Diaz, J.C. *see* Pedraza, R.O.
Dogan, H.B., Cakir, I., Baspinar, E. & Halkman, A.K. Comparison of LST+MUG broth technique and conventional method for the enumeration of *Escherichia coli* in foods, 274
Dover, L.G. *see* Kremer, L.
Doyle, S. *see* Daly, P.
Dykes, G.A. *see* Moorhead, S.M.

Elinbaum, S., Ferreyra, H., Ellenrieder, G. & Cuevas, C. Mycelial growth and exo-biopolymer production by submerged culture of various edible mushrooms under different media, 67
Ellenrieder, G. *see* Elinbaum, S.
Ellenrieder, G. *see* Scaroni, E.
Engels, G.B. *see* Schets, F.M.
Etcheverry, M. *see* Nesci, A.
Eyigor, A., Carli, K.T. & Unal, C.B. Citrulline as the main precursor of ethyl carbamate in model fortified wines inoculated with *Lactobacillus hilgardii*: a marker of the levels in a spoiled fortified wine, 37

Falabi, J.A., Gerba, C.P. & Karpiscak, M.M. *Giardia* and *Cryptosporidium* removal from waste-water by a duckweed (*Lemna gibba* L.) covered pond, 384
Fenlon, D.R. *see* Ogden, I.D.
Ferguson, C.M.J. *see* Walker, R.
Ferreira, M.C.S. *see* Aquino, M.H.C.
Ferreyra, H. *see* Elinbaum, S.
Fiedoruk, K. *see* Swiecicka, I.
Filgueiras, A.L.L. *see* Aquino, M.H.C.
Fungaro, M.H.P. *see* Tiago, P.V.
Furlaneto, M.C. *see* Tiago, P.V.

Gadre, R.V. *see* Bhosale, P.
Gao, Q. & Demain, A.L. Improvement in the resting-cell bioconversion of penicillin G to deacetoxycephalosporin G by addition of catalase, 290
García-Lopez, M.L. *see* Alonso-Calleja, C.
Gerba, C.P. *see* Falabi, J.A.
Ghosh, M.K., Amudha, R., Jayachandran, S. & Sakthivel. Detection and quantification of phytotoxic metabolites of *Sarocladium oryzae* in sheath rot-infected grains of rice, 398
Gibbs, P.A *see* Silva, J.
Giuntini, A. *see* Carducci, A.
Gowland, P.C. *see* Allpress, J.D.
Gray, P.M., Rhee, M.S. & Kang, D.H. The correlation method for rapid monitoring of *Escherichia coli* in foods, 269
Griffin, D.W., Kellogg, C.A., Peak, K.K. & Shinn, E.A. A rapid and efficient assay for extracting DNA from fungi, 210
Guerra, N.P. & Pastrana, L. Nisin and pediocin production on mussel-processing waste supplemented with glucose and five nitrogen sources, 114
Guest, J.R. *see* Bythell, J.C.
Guindulain, T. & Vives-Rego, J. Involvement of RNA and DNA in the staining of *Escherichia coli* by SYTO 13, 182

Haga, S. *see* Miyajima, M.
Halkman, A.K. *see* Dogan, H.B.
Hammock, B.D. *see* Harcourt, R.L.
Hamouda, T., Shih, A.Y., Baker, J.R. & Jr, J.R. A rapid staining technique for the detection of the initiation of germination of bacterial spores, 86
Han, Q., Inglis, G.D. & Hausner, G. Phylogenetic relationships among strains of the entomopathogenic fungus, *Nomuraea rileyi*, as revealed by partial β-tubulin sequences and inter-simple sequence repeat (ISSR) analysis, 376

Harcourt, R.L., Horne, I., Sutherland, T.D., Hammock, B.D., Russell, R.J. & Oakeshott, J.G. Development of a simple and sensitive fluorimetric method for isolation of coumaphos-hydrolysing bacteria, 263
Harrison, M. *see* Martin, K.W.
Harwood, C.R. *see* Stephenson, K.
Hausner, G. *see* Han, Q.
Hepburn, N.F. *see* Ogden, I.D.
Hepburn, N.F., Macrae, M., Johnston, M., Mooney, J. & Ogden, I.D. Optimizing enrichment conditions for the isolation of *Escherichia coli* O157 in soils by immunomagnetic separation, 365
Hogg, T. *see* Azevedo, Z.
Hong, S.I. *see* Lee, S.D.
Horne, I. *see* Harcourt, R.L.
Huang, Y. *see* Ruan, L.
Huis In't, J.H.J. *see* De Waard, R.
Humphrey, T.J. *see* Martin, K.W.
Hunter, P.R. Does calculation of the 95th percentile of microbiological results offer any advantage over percentage exceedence in determining compliance with bathing water quality standards?, 283
Huys, G., D'Haene, K. & Swings, J. Influence of the culture medium on antibiotic susceptibility testing of food-associated lactic acid bacteria with the agar overlay disc diffusion method, 402
Hwang, H.J. *see* Kim, S.W.
Hwang, H.J. *see* Kim, S.W.
Hwang, H.J. *see* Park, J.P.

Ikeda, J.S. *see* Samelis, J.
Inglis, G.D. *see* Han, Q.
Ivanov, V. *see* Tay, J.-H.

Jayachandran, S. *see* Ghosh, M.K.
Jensen, C.L. *see* Stephenson, K.
Jeong, S.H. *see* Lee, S.H.
Jiang, P. *see* Zhang, J.
Johnston, M. *see* Hepburn, N.F.
Jørgensen, S.T. *see* Stephenson, K.
Josephsen, J. *see* Kong, J.
Jr, J.R. *see* Hamouda, T.

Kagawa, S. *see* Miyajima, M.
Kamra, D.N. *see* Agarwal, N.
Kang, D.H. Development of membrane filter holder (MFH) method for recovery of heat-injured *Escherichia coli* O157:H7 and *Salmonella typhimurium*, 62
Kang, D.H. *see* Gray, P.M.
Kapoor, M. & Kuhad, R.C. Improved polygalacturonase production from *Bacillus* sp. MG-cp-2 under submerged (SmF) and solid state (SSF) fermentation, 317
Karanis, P. & Kimura, A. Evaluation of three flocculation methods for the purification of *Cryptosporidium parvum* oocysts from water samples, 444
Karpiscak, M.M. *see* Falabi, J.A.
Kaufman, G.E., Myers, M.L., Pass, C.L., Bej, A.K. & Kaysner, C.A. Molecular analysis of *Vibrio parahaemolyticus* isolated from human patients and shellfish during US Pacific north-west outbreaks, 155
Kaysner, C.A. *see* Kaufman, G.E.
Kellogg, C.A. *see* Griffin, D.W.
Kendall, P.A. *see* Samelis, J.
Khadre, M. *see* Leung, P.P.
Kilic, Ü., Schalch, B. & Stolle, A. Ribotyping of *Clostridium perfringens* from industrially produced ground meat, 238
Kim, S.W. *see* Lee, S.D.
Kim, S.W. *see* Park, J.P.
Kim, S.W., Hwang, H.J., Park, J.P., Cho, Y.J., Song, C.H. & Yun, J.W. Exopolysaccharide production from *Sclerotium glucanicum* NRRL 3006 and *Botryosphaeria rhodina* DABAC-P82 on raw and hydrolysed starchy materials, 56
Kim, S.W., Hwang, H.J., Xu, C.P., Na, Y.S., Song, S.K. & Yun, J.W. Influence of nutritional conditions on the mycelial growth and exopolysaccharide production in *Paecilomyces sinclairii*, 389
Kim, Y.M. *see* Park, J.P.
Kimura, A. *see* Karanis, P.
Kirakosyan, G.R. *see* Markarian, S.A.
Knoll, S., Vogel, R.F. & Niessen, L. Identification of *Fusarium graminearum* in cereal samples by DNA Detection Test Strips, 144
Kong, J. & Josephsen, J. The ability of the plasmid-encoded restriction and modification system *Lla*BIII to protect *Lactococcus lactis* against bacteriophages, 249
Kremer, L., Maughan, W.N., Wilson, R.A., Dover, L.G. & Besra, G.S. The *M. tuberculosis* antigen 85 complex and mycolyltransferase activity, 233
Kuhad, R.C. *see* Kapoor, M.
Kumar, C.G. Purification and characterization of a thermostable alkaline protease from alkalophilic *Bacillus pumilus*, 13

Lacerda, I.C.A. *see* Dias, M.A.
Lal, S.K. *see* Srivastava, R.
Lawson, A.J., Chart, H., Dassama, M.U. & Threlfall, E.J. Heterogeneity in expression of lipopolysaccharide by strains of *Salmonella enterica* serotype Typhimurium definitive phage type 104 and related phage types, 428

Le Tissier, M.D.A. *see* Bythell, J.C.
Lee, S.D., Park, S.W., Oh, K.K., Hong, S.I. & Kim, S.W. Improvement for the production of clavulanic acid by mutant *Streptomyces clavuligerus*, 370
Lee, S.H. & Jeong, S.H. Antibiotic susceptibility of bacterial strains isolated from patients with various infections, 215
Lee, Y.S. *see* Park, J.P.
Leung, P.P., Khadre, M., Shellhammer, T.H. & Yousef, A.E. Immunoassay method for quantitative determination of nisin in solution and on polymeric films, 199
Liu, Y. *see* Moy, B.Y.-P.
Liu, Z. *see* Zhang, J.
Lombardi, R. *see* Carducci, A.

MacKay, W.G. *see* Bunn, J.E.G.
Macrae, M. *see* Hepburn, N.F.
Macrae, M. *see* Ogden, I.D.
Magan, N. *see* Ahmad, R.
Markarian, S.A., Poladyan, A.A., Kirakosyan, G.R., Trchounian, A.A. & Bagramyan, K.A. Effect of diethylsulphoxide on growth, survival and ion exchange of *Escherichia coli*, 417
Marquina, D. *see* Santos, A.
Martin, K.W., Mattick, K.L., Harrison, M. & Humphrey, T.J. Evaluation of selective media for *Campylobacter* isolation when cycloheximide is replaced with amphotericin B, 124
Matsuda, M. *see* Miyajima, M.
Mattick, K.L. *see* Martin, K.W.
Maughan, W.N. *see* Kremer, L.
Mazzoni, F. *see* Carducci, A.
Mcdowell, D.A. *see* Bolton, D.J.
Mcmahon, D.J. *see* Oberg, C.J.
Mejlholm, O. & Dalgaard, P. A versatile reactor for continuous monitoring of biofilm properties in laboratory and industrial conditions, 27
Melo, L.F. *see* Pereira, M.O.
Millar, B.C. *see* Miyajima, M.
Miyajima, M., Matsuda, M., Haga, S., Kagawa, S., Millar, B.C. & Moore, J.E. Cloning and sequencing of 16S rDNA and 16S-23S rDNA internal spacer region (ISR) from urease-positive thermophilic *Campylobacter* (UPTC), 287
Mokashi, S.A. & Paknikar, K.M. Arsenic (III) oxidizing *Microbacterium lacticum* and its use in the treatment of arsenic contaminated groundwater, 258
Mooijman, K.A. *see* Schets, F.M.
Mooney, J. *see* Hepburn, N.F.
Moore, J.E. *see* Miyajima, M.
Moorhead, S.M. & Dykes, G.A. Production of *Aspergillus terreus* α-L- rhamnosidase by solid state fermentation, 72
Morin, P. *see* Pereira, M.O.
Moscatelli, R. *see* Carducci, A.
Mountain, G. *see* Allpress, J.D.
Moy, B.Y.-P., Tay, J.-H., Toh, S.-K., Liu, Y. & Tay, S.T.-L. High organic loading influences the physical characteristics of aerobic sludge granules, 407
Myers, M.L. *see* Kaufman, G.E.

Na, Y.S. *see* Kim, S.W.
Nebola, M. *see* Steinhauserova, I.
Nesci, A. & Etcheverry, M. *Aspergillus* section Flavi populations from field maize in Argentina, 343
Nevalainen, A. *see* Rintala, H.
Nevalainen, K.M.H. *see* De Faria, F.P.
Niessen, L. *see* Knoll, S.
Nobel, P.J. *see* Schets, F.M.
Nuero, O.M. & Reyes, F. Enzymes for animal feeding from *Penicillium chrysogenum* mycelial wastes from penicillin manufacture, 413
Nychas, G.-J.E., Panagou, E.Z., Parker, M.L., Waldron, K.W. & Tassou, C.C. Microbial colonization of naturally black olives during fermentation and associated biochemical activities in the cover brine, 173

O'Donnell, A.G. *see* Bythell, J.C.
Oakeshott, J.G. *see* Harcourt, R.L.
Oberg, C.J., Broadbent, J.R., Strickland, M. & Mcmahon, D.J. Diversity in specificity of the extracellular proteinases in *Lactobacillus helveticus* and *Lactobacillus delbrueckii* subsp. *bulgaricus*, 455
Ogden, I.D. *see* Hepburn, N.F.
Ogden, I.D., Hepburn, N.F., Macrae, M., Strachan, N.J.C., Fenlon, D.R., Rusbridge, S.M. & Pennington, T.H. Long-term survival of *Escherichia coli* O157 on pasture following an outbreak associated with sheep at a scout camp, 100
Oh, K.K. *see* Lee, S.D.
Oliveira, S.S. *see* Aquino, M.H.C.
Osek, J. Rapid and specific identification of Shiga toxin-producing *Escherichia coli* in faeces by multiplex PCR, 304

Paknikar, K.M. *see* Mokashi, S.A.
Pal, J. *see* Saha, D.
Pan, S. *see* Tay, J.-H.
Panagou, E.Z. *see* Nychas, G.-J.E.
Pantos, O. *see* Bythell, J.C.
Park, J.P. *see* Kim, S.W.
Park, J.P., Kim, Y.M., Kim, S.W., Hwang, H.J., Cho, Y.J., Lee, Y.S., Song, C.H. & Yun, J.W. Effect of agitation intensity on the exo-biopolymer production and mycelial morphology in *Cordyceps militaris*, 433

Park, S.F. *see* Brewer, R.
Park, S.W. *see* Lee, S.D.
Parker, M.L. *see* Nychas, G.-J.E.
Pass, C.L. *see* Kaufman, G.E.
Passaglia, A. *see* Carducci, A.
Pastrana, L. *see* Guerra, N.P.
Pathak, N.N. *see* Agarwal, N.
Peak, K.K. *see* Griffin, D.W.
Pedraza, R.O., Diaz, J.C. & Ricci, J.C. In-well cell lysis technique reveals two new megaplasmids of 103·0 and 212·6 MDa in the multiple plasmid-containing strain V517 of *Escherichia coli*, 130
Peinado, J.M. *see* Santos, A.
Pennington, T.H. *see* Ogden, I.D.
Pereira, M.O., Morin, P., Vieira, M.J. & Melo, L.F. Enhanced inactivation of *Listeria monocytogenes* by nisin in the presence of ethanol, 22
Pérez, G., Cardell, E. & Zarate, V. Random amplified polymorphic DNA analysis for differentiation of *Leuconostoc mesenteroides* subspecies, 82
Petruccioli, M. *see* Selbmann, L.
Pimentel, P.F. *see* Dias, M.A.
Ping, S. *see* Ruan, L.
Poladyan, A.A. *see* Markarian, S.A.

Radosevich, J.L., Wilson, W.J., Shinn, J.H., Desantis, T.Z. & Andersen, G.L. Development of a high-volume aerosol collection system for the identification of air-borne micro-organisms, 162
Reid, D.C. *see* Bunn, J.E.G.
Ren, D., Sims, J.J. & Wood, T.K. Inhibition of biofilm formation and swarming of *Bacillus subtilis* by (5*Z*)-4-bromo-5-(bromomethylene)-3-butyl-2(5*H*)-furanone, 293
Reyes, F. *see* Nuero, O.M.
Rhee, M.S. *see* Gray, P.M.
Ricci, J.C. *see* Pedraza, R.O.
Rintala, H., Nevalainen, A. & Suutari, M. Diversity of streptomycetes in water-damaged building materials based on 16S rDNA sequences, 439
Roller, S. *see* Sagoo, S.K.
Romano, P. *see* Caruso, M.
Rosa, C.A. *see* Dias, M.A.
Rovini, E. *see* Carducci, A.
Ruan, L., Huang, Y., Zhang, G., Yu, D. & Ping, S. Expression of the *mel* gene from *Pseudomonas maltophilia* in *Bacillus thuringiensis*, 244
Rusbridge, S.M. *see* Ogden, I.D.
Russell, R.J. *see* Harcourt, R.L.

Sagoo, S.K., Board, R. & Roller, S. Chitosan potentiates the antimicrobial action of sodium benzoate on spoilage yeasts, 168
Saha, D. & Pal, J. *In vitro* antibiotic susceptibility of bacteria isolated from EUS-affected fishes in India, 311
Sahoo, A. *see* Agarwal, N.
Sakthivel. *see* Ghosh, M.K.
Salzano, G. *see* Caruso, M.
Samelis, J, Sofos, J.N., Ikeda, J.S., Kendall, P.A. & Smith, G.C. Instructions for authors, 7
Santos, A., Marquina, D., Barroso, J. & Peinado, J.M. β-D-glucan as the cell wall binding site for *Debaryomyces hansenii* killer toxin, 95
Scaroni, E., Cuevas, C., Carrillo, L. & Ellenrieder, G. Hydrolytic properties of crude α-L-rhamnosidases produced by several wild strains of mesophilic fungi, 461
Schalch, B. *see* Kilic, Ü.
Schets, F.M., Nobel, P.J., Strating, S., Mooijman, K.A., Engels, G.B. & Brouwer, A. EU Drinking Water Directive reference methods for enumeration of total coliforms and *Escherichia coli* compared with alternative methods, 227
Schut, F. *see* De Waard, R.
Selbmann, L., Crognale, S. & Petruccioli, M. Removal of heavy metals by an *Aspergillus terreus* strain immobilized in a polyurethane matrix, 51
Shellhammer, T.H. *see* Leung, P.P.
Sheridan, J.J. *see* Bolton, D.J.
Shih, A.Y. *see* Hamouda, T.
Shinn, E.A. *see* Griffin, D.W.
Shinn, J.H. *see* Radosevich, J.L.
Silva, J., Carvalho, A.S., Teixeira, P. & Gibbs, P.A. Bacteriocin production by spray-dried lactic acid bacteria, 77
Sims, J.J. *see* Ren, D.
Smith, G.C. *see* Samelis, J.
Snel, J. *see* De Waard, R.
Sofos, J.N. *see* Samelis, J.
Song, C.H. *see* Kim, S.W.
Song, C.H. *see* Park, J.P.
Song, S.K. *see* Kim, S.W.
Srivastava, R. & Lal, S.K. A liquid synchronized-growth culture assay for the identification of true positive and negative yeast three-hybrid transformants, 300
Steinberg, D. *see* Bronshteyn, M.
Steinhauserova, I., Ceskova, J. & Nebola, M. PCR/restriction fragment length polymorphism (RFLP) typing of human and poultry *Campylobacter jejuni* strains, 354

Stephenson, K., Jensen, C.L., Jørgensen, S.T. & Harwood, C.R. Simultaneous inactivation of the *wprA* and *dltB* genes of *Bacillus subtilis* reduces the yield of α-amylase, 394
Stolle, A. *see* Kilic, Ü.
Strachan, N.J.C. *see* Ogden, I.D.
Strating, S. *see* Schets, F.M.
Strickland, M. *see* Oberg, C.J.
Sutherland, T.D. *see* Harcourt, R.L.
Suutari, M. *see* Rintala, H.
Swiecicka, I., Fiedoruk, K. & Bednarz, G. The occurrence and properties of *Bacillus thuringiensis* isolated from free-living animals, 194
Swings, J. *see* Huys, G.

Tan, P.S.T. *see* De Waard, R.
Tassou, C.C. *see* Nychas, G.-J.E.
Tay, J.-H. *see* Moy, B.Y.-P.
Tay, J.-H., Ivanov, V., Pan, S. & Tay, S.T.-L. Specific layers in aerobically grown microbial granules, 254
Tay, S.T.-L. *see* Moy, B.Y.-P.
Tay, S.T.-L. *see* Tay, J.-H.
Te'o, V.S.J. *see* De Faria, F.P
Teixeira, P. *see* Silva, J.
Thomas, J.E. *see* Bunn, J.E.G.
Threlfall, E.J. *see* Lawson, A.J.
Tiago, P.V., Fungaro, M.H.P. & Furlaneto, M.C. Cuticle-degrading proteases from the entomopathogen *Metarhizium flavoviride* and their distribution in secreted and intracellular fractions, 91
Tibana, A. *see* Aquino, M.H.C.
Toh, S.-K. *see* Moy, B.Y.-P.
Trchounian, A.A. *see* Markarian, S.A.

Unal, C.B. *see* Eyigor, A.

Valenza, A. *see* Carducci, A.
Veld, J.H.J. *see* De Waard, R.
Verani, M. *see* Carducci, A.
Vieira, M.J. *see* Pereira, M.O.
Vives-Rego, J. *see* Guindulain, T.
Vogel, R.F. *see* Knoll, S.

Waldron, K.W. *see* Nychas, G.-J.E.
Walker, R., Ferguson, C.M.J., Booth, N.A. & Allan, E.J. Implementation of real-time PCR to tetrathionate broth enrichment step of *Salmonella* detection in poultry, 42
Wang, R. *see* Zhang, J.
Wang, S.-J. & Yeh, D.-B. Designing of polymerase chain reaction primers for the detection of *Salmonella enteritidis* in foods and faecal samples, 422
Weaver, L.T. *see* Bunn, J.E.G.
Wilson, R.A. *see* Kremer, L.
Wilson, W.J. *see* Radosevich, J.L.
Wood, T.K. *see* Ren, D.

Xu, C.P. *see* Kim, S.W.

Yeh, D.-B. *see* Wang, S.-J.
Yousef, A.E. *see* Leung, P.P.
Yu, D. *see* Ruan, L.
Yun, J.W. *see* Kim, S.W.
Yun, J.W. *see* Park, J.P.

Zarate, V. *see* Pérez, G.
Zhang, G. *see* Ruan, L.
Zhang, J., Wang, R., Jiang, P. & Liu, Z. Production of an exopolysaccharide bioflocculant by *Sorangium cellulosum*, 178

Index of Subjects

Acid sensitization of *E. coli* O157:H7 (J. Samelis, J.N. Sofos, J.S. Ikeda, P.A. Kendall & G.C. Smith) 7
Acidifying activity of lactococci (C. Alonso-Calleja, J. Carballo, R. Capita, A. Bernardo & M.L. García-Lopez) 134
Aflatoxigenic fungi from field maize (A. Nesci & M. Etcheverry) 343
Antibiotic resistance and plasmids of *Campylobacter* spp. (M.H.C. Aquino, A.L.L. Filgueiras, M.C.S. Ferreira, S.S. Oliveira, M.C. Bastos & A. Tibana) 149
Antibiotic screening of EUS isolates (D. Saha & J. Pal) 311
Antifungal activity of L-forms (R. Walker, C.M.J. Ferguson, N.A. Booth & E.J. Allan) 42
A. terreus rhamnosidase production (S. Elinbaum, H. Ferreyra, G. Ellenrieder & C. Cuevas) 67

ß-carotene production by *Rhodotorula glutinis* mutant 32 (P. Bhosale & R.V. Gadre) 349
Bacillus thuringiensis from animals (I. Swiecicka, K. Fiedoruk & G. Bednarz) 194
Bacterial membranes and survival (S.A. Markarian, A.A. Poladyan, G.R. Kirakosyan, A.A. Trchounian & K.A. Bagramyan) 417
Bacteriocin production by spray-dried lactic acid bacteria (J. Silva, A.S. Carvalho, P. Teixeira & P.A Gibbs) 77
Bioaerosol collection protocol (J.L. Radosevich, W.J. Wilson, J.H. Shinn, T.Z. DeSantis & G.L. Andersen) 162
Bioconversion of penicillin G (Q. Gao & A.L. Demain) 290
Bioflocculant production by *Sorangium cellulosum* (J. Zhang, R. Wang, P. Jiang & Z. Liu) 178
Biosorption of metals by *A. terreus* (M.A. Dias, I.C.A. Lacerda, P.F. Pimentel, H.F. de Castro & C.A. Rosa) 46

Campylobacter selective media (K.W. Martin, K.L. Mattick, M. Harrison & T.J. Humphrey) 124
Cell wall binding site for *D. hansenii* killer toxin (A. Santos, D. Marquina, J. Barroso & J.M. Peinado) 95
Chitosan and benzoate (S.K. Sagoo, R. Board & S. Roller) 168
Citrulline as a marker of EC levels (Z. Azevedo, J.A. Couto, & T. Hogg) 32
Comparison of rodent lactobacilli (R. de Waard, J. Snel, G.C.A.M. Bokken, P.S.T. Tan, F. Schut & J.H.J. Huis in't Veld) 105
Control of *E. coli* O157:H7 in beef burgers (D.J. Bolton, T. Catarame, C. Byrne, J.J. Sheridan, D.A. McDowell & I.S. Blair) 139

Detection and indicators of hepatitis C virus on surfaces (A. Carducci, M. Verani, B. Casini, A. Giuntini, F Mazzoni, E. Rovini, A. Passaglia, L. Giusti, A. Valenza & R. Lombardi) 189
Detection of *Salmonella enteritidis* in foods and faecal samples (S.-J. Wang & D.-B. Yeh) 422
Disc diffusion testing of LAB (G. Huys, K. D'Haene & J. Swings) 402
16S rDNA and 16S-23S rDNA ISR of UPTC (M. Miyajima, M. Matsuda, S. Haga, S. Kagawa, B.C. Millar & J.E. Moore) 287
DNA extraction from fungi (D.W. Griffin, C.A. Kellogg, K.K. Peak & E.A. Shinn) 210

E. coli PCR-ELISA (P. Daly, T. Collier & S. Doyle) 222
Enrichment broths for *E. coli* O157 (N.F. Hepburn, M. MacRae, M. Johnston, J. Mooney & I.D. Ogden) 365
Enzymes from *Penicillium chrysogenum* mycelial wastes (O.M. Nuero & F. Reyes) 413
Expression of *H. grisea* XYN2 *T. reesei* (F.P de Faria, V.S.J. Te'o, P.L. Bergquist, M.O. Azevedo & K.M.H. Nevalainen) 119
Environmental virus detection (A. Carducci, L. Cantiani, R. Moscatelli, B. Casini, E. Rovini, F. Mazzoni, A. Giuntini & M. Verani) 110
Exo-biopolymer production from edible mushrooms (S.W. Kim, H.J. Hwang, J.P. Park, Y.J. Cho, C.H. Song & J.W. Yun) 56
Exo-biopolymer production in *Cordyceps militaris* (J.P. Park, Y.M. Kim, S.W. Kim, H.J. Hwang, Y.J. Cho, Y.S. Lee, C.H. Song & J.W. Yun) 433
Exopolysaccharide production from *P. sinclairii* (S.W. Kim, H.J. Hwang, C.P. Xu, Y.S. Na, S.K. Song & J.W. Yun) 389
Expression of the *mel* gene in *B. thuringiensis* (L. Ruan, Y. Huang, G. Zhang, D. Yu & S. Ping) 244

Fine-tuning protein secretion (K. Stephenson, C.L. Jensen, S.T. Jørgensen & C.R. Harwood) 394
Fluorimetric detection of OP hydrolysing bacteria (R.L. Harcourt, I. Horne, T.D. Sutherland, B.D. Hammock, R.J. Russell & J.G. Oakeshott) 263
Formation of FTF complexes on HA (M. Bronshteyn & D. Steinberg) 205
Frozen *C. jejuni* (S.M. Moorhead & G.A. Dykes) 72
Fungal polysaccharides from starchy materials (L. Selbmann, S. Crognale & M. Petruccioli) 51

Histopathology of coral disease lesions (J.C. Bythell, M.R. Barer, R.P. Cooney, J.R. Guest, A.G. O'Donnell, O. Pantos & M.D.A. Le Tissier) 359
H. pylori transmission by water (J.E.G. Bunn, W.G. MacKay, J.E. Thomas, D.C. Reid & L.T. Weaver) 450

Identification of *F. graminearum* (S. Knoll, R.F. Vogel & L. Niessen) 144
Immunoassay for nisin on films (P.P. Leung, M. Khadre, T.H. Shellhammer & A.E. Yousef) 199
Improved polygalacturonase production from *Bacillus* sp. (M. Kapoor & R.C. Kuhad) 317
Inactivation of *L. monocytogenes* by nisin and ethanol (R. Brewer, M.R. Adams & S.F. Park) 18
Inhibition of biofilm formation and swarming by furanone (D. Ren, J.J. Sims & T.K. Wood) 293
Intraspecific polymorphism in *Nomuraea rileyi* (Q. Han, G.D. Inglis & G. Hausner) 376

Keratinase of *Lysobacter* 9497 (J.D. Allpress, G. Mountain & P.C. Gowland) 337

Layers in granules (J.-H. Tay, V. Ivanov, S. Pan & S.T.-L. Tay) 254
Leuc. mesenteroides subspecies differentiation (G. Pérez, E. Cardell & V. Zarate) 82
Liquid culture assay for three-hybrid analysis (R. Srivastava & S.K. Lal) 300
LST+MUG for enumeration of *E. coli* (H.B. Dogan, I. Cakir, E. Baspinar & A.K. Halkman) 274

Membrane filter holder method (D.H. Kang) 62
Metarhizium flavoviride proteases (P.V. Tiago, M.H.P. Fungaro & M.C. Furlaneto) 91
Microbial colonization of naturally fermented black olives (G.-J.E. Nychas, E.Z. Panagou, M.L. Parker, K.W. Waldron & C.C. Tassou) 173
Microbial feed additives for crossbred calves (N. Agarwal, D.N. Kamra, L.C. Chaudhary, I. Agarwal, A. Sahoo & N.N. Pathak) 329
Microfloral contamination and enzyme differences in coffee (R. Ahmad & N. Magan) 279
Molecular analysis of *Vibrio parahaemolyticus* (G.E. Kaufman, M.L. Myers, C.L. Pass, A.K. Bej & C.A. Kaysner) 155
Molecular diversity of *Streptomyces* (H. Rintala, A. Nevalainen & M. Suutari) 439
Multiplex PCR for STEC (J. Osek) 304
Mycobacterial mycolyltransferase (L. Kremer, W.N. Maughan, R.A. Wilson, L.G. Dover & G.S. Besra) 233

Nisin and pediocin production (N.P. Guerra & L. Pastrana) 114

Oregano inhibits *P. phosphoreum* (O. Mejlholm & P. Dalgaard) 27
Organic loading in aerobic granules (B.Y.-P. Moy, J.-H. Tay, S.-K. Toh, Y. Liu & S.T.-L. Tay) 407

Parasite removal by duckweed (J.A. Falabi, C.P. Gerba & M.M. Karpiscak) 384
PCR/RFLP typing of *C. jejuni* strains (I. Steinhauserova, J. Ceskova & M. Nebola) 354
Percentile calculation (P.R. Hunter) 283
Phytotoxic fungal metabolites in rice grains (M.K. Ghosh, R. Amudha, S. Jayachandran & N. Sakthivel) 398
Production of clavulanic acid (S.D. Lee, S.W. Park, K.K. Oh, S.I. Hong & S.W. Kim) 370
Properties of crude rhamnosidases (E. Scaroni, C. Cuevas, L. Carrillo & G. Ellenrieder) 461
Protection with R/M system *Lla*BIII (J. Kong & J. Josephsen) 249
Proteinase characterization in lactobacilli (C.J. Oberg, J.R. Broadbent, M. Strickland & D.J. McMahon) 455
Purification of *Cryptosporidium parvum* oocysts from water (P. Karanis & A. Kimura) 444

Rapid method for monitoring *E. coli* in foods (P.M. Gray, M.S. Rhee & D.H. Kang) 269
Reactor for biofilm monitoring (M.O. Pereira, P. Morin, M.J. Vieira & L.F. Melo) 22
Removal of arsenic from groundwater (S.A. Mokashi & K.M. Paknikar) 258
Resistance to ß-lactam antibiotics (S.H. Lee & S.H. Jeong) 215
Ribotyping of *Clostridium perfringens* (Ü. Kilic, B. Schalch & A. Stolle) 238

Salmonella real-time PCR in poultry (A. Eyigor, K.T. Carli, & C.B. Unal) 37
Salmonella Typhimurium DT104 LPS expression (A.J. Lawson, H. Chart, M.U. Dassama & E.J. Threlfall) 428
Stain detection of germinating spores (T. Hamouda, A.Y. Shih & J.R. Baker, Jr) 86
Survival of *E. coli* O157 in soil (I.D. Ogden, N.F. Hepburn, M. MacRae, N.J.C. Strachan, D.R. Fenlon, S.M. Rusbridge & T.H. Pennington) 100

Total coliform and *E. coli* enumeration (F.M. Schets, P.J. Nobel, S. Strating, K.A. Mooijman, G.B. Engels & A. Brouwer) 227
Thermostable alkaline protease of *Bacillus pumilus* (C.G. Kumar) 13
Two new megaplasmids in *E. coli* V517 (R.O. Pedraza & J.C. Diaz Ricci) 130
Typing of wine yeasts (M. Caruso, A. Capece, G. Salzano & P. Romano) 323

Validation of SYTO 13 (T. Guindulain & J. Vives-Rego) 182